# Release notes for ENDF/B Development n-088_Ra_226 evaluation

April 26, 2017

- **checkr** Warnings:

  1. A previous error halted parsing of the current section
     *MAT=8834, MF= 1, MT=451 (1): Parsing stopped*

     ```
     ERROR(S) FOUND IN MAT=8834, MF= 1, MT=451
         SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER     136 TO     191
     ```

- **checkr** Errors:

  1. A variable is outside the allowed ENDF range
     *MAT=8834, MF= 1, MT=451 (0): Variable range*

     ```
     ERROR(S) FOUND IN MAT=8834, MF= 1, MT=451
         MOD =    1 OUT OF RANGE    0 -    0         RECORD NUMBER    136
     ```

  2. Missing a section in directory so your directory is messed up. This error will break everything else
     *MAT=8834, MF= 1, MT=452 (0): Directory (b)*

     ```
     ERROR(S) FOUND IN MAT=8834, MF= 1, MT=452
         SECTION  1/452 NOT IN DIRECTORY            RECORD NUMBER    192
     ```

  3. Missing a section in directory so your directory is messed up. This error will break everything else
     *MAT=8834, MF= 2, MT=151 (0): Directory (b)*

     ```
     ERROR(S) FOUND IN MAT=8834, MF= 2, MT=151
         SECTION  2/151 NOT IN DIRECTORY            RECORD NUMBER    197
     ```

  4. Missing a section in directory so your directory is messed up. This error will break everything else
     *MAT=8834, MF= 3, MT= 1 (0): Directory (b)*

     ```
     ERROR(S) FOUND IN MAT=8834, MF= 3, MT=  1
         SECTION  3/  1 NOT IN DIRECTORY            RECORD NUMBER    237
     ```

  5. Missing a section in directory so your directory is messed up. This error will break everything else
     *MAT=8834, MF= 3, MT= 2 (0): Directory (b)*

     ```
     ERROR(S) FOUND IN MAT=8834, MF= 3, MT=  2
         SECTION  3/  2 NOT IN DIRECTORY            RECORD NUMBER    260
     ```

  6. Missing a section in directory so your directory is messed up. This error will break everything else
     *MAT=8834, MF= 3, MT= 4 (0): Directory (b)*

     ```
     ERROR(S) FOUND IN MAT=8834, MF= 3, MT=  4
         SECTION  3/  4 NOT IN DIRECTORY            RECORD NUMBER    281
     ```

  7. Missing a section in directory so your directory is messed up. This error will break everything else
     *MAT=8834, MF= 3, MT= 16 (0): Directory (b)*

1

```
ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 16
     SECTION  3/ 16 NOT IN DIRECTORY                RECORD NUMBER     299
```

8. Missing a section in directory so your directory is messed up. This error will break everything else
   *MAT=8834, MF= 3, MT= 17 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 17
     SECTION  3/ 17 NOT IN DIRECTORY                RECORD NUMBER     308
```

9. Missing a section in directory so your directory is messed up. This error will break everything else
   *MAT=8834, MF= 3, MT= 18 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 18
     SECTION  3/ 18 NOT IN DIRECTORY                RECORD NUMBER     315
```

10. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 37 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 37
     SECTION  3/ 37 NOT IN DIRECTORY                RECORD NUMBER     327
```

11. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 51 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 51
     SECTION  3/ 51 NOT IN DIRECTORY                RECORD NUMBER     332
```

12. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 52 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 52
     SECTION  3/ 52 NOT IN DIRECTORY                RECORD NUMBER     350
```

13. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 53 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 53
     SECTION  3/ 53 NOT IN DIRECTORY                RECORD NUMBER     367
```

14. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 54 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 54
     SECTION  3/ 54 NOT IN DIRECTORY                RECORD NUMBER     384
```

15. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 55 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 55
            SECTION  3/ 55 NOT IN DIRECTORY                    RECORD NUMBER      400
```

16. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 56 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 56
            SECTION  3/ 56 NOT IN DIRECTORY                    RECORD NUMBER      416
```

17. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 57 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 57
            SECTION  3/ 57 NOT IN DIRECTORY                    RECORD NUMBER      431
```

18. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 58 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 58
            SECTION  3/ 58 NOT IN DIRECTORY                    RECORD NUMBER      446
```

19. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 59 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 59
            SECTION  3/ 59 NOT IN DIRECTORY                    RECORD NUMBER      461
```

20. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 60 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 60
            SECTION  3/ 60 NOT IN DIRECTORY                    RECORD NUMBER      475
```

21. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 61 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 61
            SECTION  3/ 61 NOT IN DIRECTORY                    RECORD NUMBER      489
```

22. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 62 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 62
            SECTION  3/ 62 NOT IN DIRECTORY                    RECORD NUMBER      500
```

23. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 63 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 63
           SECTION  3/ 63 NOT IN DIRECTORY                    RECORD NUMBER     513
```

24. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 64 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 64
           SECTION  3/ 64 NOT IN DIRECTORY                    RECORD NUMBER     524
```

25. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 65 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 65
           SECTION  3/ 65 NOT IN DIRECTORY                    RECORD NUMBER     536
```

26. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 66 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 66
           SECTION  3/ 66 NOT IN DIRECTORY                    RECORD NUMBER     548
```

27. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT= 91 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 3, MT= 91
           SECTION  3/ 91 NOT IN DIRECTORY                    RECORD NUMBER     559
```

28. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 3, MT=102 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 3, MT=102
           SECTION  3/102 NOT IN DIRECTORY                    RECORD NUMBER     570
```

29. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 2 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 4, MT=  2
           SECTION  4/  2 NOT IN DIRECTORY                    RECORD NUMBER     592
```

30. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 16 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 16
           SECTION  4/ 16 NOT IN DIRECTORY                    RECORD NUMBER     765
```

31. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 17 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 17
     SECTION  4/ 17 NOT IN DIRECTORY                RECORD NUMBER     776
```

32. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 18 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 18
     SECTION  4/ 18 NOT IN DIRECTORY                RECORD NUMBER     787
```

33. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 37 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 37
     SECTION  4/ 37 NOT IN DIRECTORY                RECORD NUMBER     798
```

34. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 51 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 51
     SECTION  4/ 51 NOT IN DIRECTORY                RECORD NUMBER     809
```

35. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 52 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 52
     SECTION  4/ 52 NOT IN DIRECTORY                RECORD NUMBER     834
```

36. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 53 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 53
     SECTION  4/ 53 NOT IN DIRECTORY                RECORD NUMBER     859
```

37. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 54 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 54
     SECTION  4/ 54 NOT IN DIRECTORY                RECORD NUMBER     884
```

38. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 55 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 55
     SECTION  4/ 55 NOT IN DIRECTORY                RECORD NUMBER     909
```

39. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 56 (0): Directory (b)*

```
     ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 56
        SECTION  4/ 56 NOT IN DIRECTORY                 RECORD NUMBER    934
```

40. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 57 (0): Directory (b)*

```
     ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 57
        SECTION  4/ 57 NOT IN DIRECTORY                 RECORD NUMBER    959
```

41. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 58 (0): Directory (b)*

```
     ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 58
        SECTION  4/ 58 NOT IN DIRECTORY                 RECORD NUMBER    983
```

42. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 59 (0): Directory (b)*

```
     ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 59
        SECTION  4/ 59 NOT IN DIRECTORY                 RECORD NUMBER   1007
```

43. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 60 (0): Directory (b)*

```
     ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 60
        SECTION  4/ 60 NOT IN DIRECTORY                 RECORD NUMBER   1031
```

44. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 61 (0): Directory (b)*

```
     ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 61
        SECTION  4/ 61 NOT IN DIRECTORY                 RECORD NUMBER   1055
```

45. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 62 (0): Directory (b)*

```
     ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 62
        SECTION  4/ 62 NOT IN DIRECTORY                 RECORD NUMBER   1080
```

46. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 63 (0): Directory (b)*

```
     ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 63
        SECTION  4/ 63 NOT IN DIRECTORY                 RECORD NUMBER   1104
```

47. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 64 (0): Directory (b)*

6

```
ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 64
     SECTION  4/ 64 NOT IN DIRECTORY                    RECORD NUMBER    1129
```

48. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 65 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 65
     SECTION  4/ 65 NOT IN DIRECTORY                    RECORD NUMBER    1151
```

49. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 66 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 66
     SECTION  4/ 66 NOT IN DIRECTORY                    RECORD NUMBER    1173
```

50. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 4, MT= 91 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 4, MT= 91
     SECTION  4/ 91 NOT IN DIRECTORY                    RECORD NUMBER    1195
```

51. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 5, MT= 16 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 5, MT= 16
     SECTION  5/ 16 NOT IN DIRECTORY                    RECORD NUMBER    1218
```

52. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 5, MT= 17 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 5, MT= 17
     SECTION  5/ 17 NOT IN DIRECTORY                    RECORD NUMBER    1236
```

53. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 5, MT= 18 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 5, MT= 18
     SECTION  5/ 18 NOT IN DIRECTORY                    RECORD NUMBER    1259
```

54. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 5, MT= 37 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=8834, MF= 5, MT= 37
     SECTION  5/ 37 NOT IN DIRECTORY                    RECORD NUMBER    1267
```

55. Missing a section in directory so your directory is messed up. This error will break everything else
    *MAT=8834, MF= 5, MT= 91 (0): Directory (b)*

```
        ERROR(S) FOUND IN MAT=8834, MF= 5, MT= 91
          SECTION  5/ 91 NOT IN DIRECTORY                  RECORD NUMBER    1293
```

- `recent`  Warnings:

  1. generic warning message
     *0: Warning*

     ```
     Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)
     ==============================================================================
     Retrieval Criteria-----------         MAT
     File 2 Mimimum Cross Section- 1.0000E-10 (Standard Option)
     Reactions with No Background-    Output (Resonance Contribution)
     ... [153 more lines]
     ```

- `groupie`  Errors:

  1. Very small elastic cross section found
     *0: Small elastic*

     ```
     Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)
     ------------------------------------------------------------------------------
     ENDF/B Input and Output Data Filenames
     ENDFB.IN
     ENDFB.OUT
     ... [97 more lines]
     ```

- `fudge-4.0`  Warnings:

  1. Missing a channel with a particular angular momenta combination
     *resonances / resolved / MultiLevel_BreitWigner (Error # 0): missingResonanceChannel*

     ```
     WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"
     ```

  2. Potential scattering hasn't converged, you need more L's!
     *resonances / resolved (Error # 1): potentialScatteringNotConverged*

     ```
     WARNING: Potential scattering hasn't converged by L=0 at E=1000.0 eV, xs[0]/xs[0]=100.0% > 0.1%
     ```

  3. Cross section does not match sum of linked reaction cross sections
     *crossSectionSum label 0: total (Error # 0): CS Sum.*

     ```
     WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.75%
     ```

  4. Cross section does not match sum of linked reaction cross sections
     *crossSectionSum label 1: (z,n) (Error # 0): CS Sum.*

     ```
     WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.15%
     ```

- `fudge-4.0`  Errors:

  1. Found a negative probability
     *reaction label 0: n + Ra226 / Product: n / Distribution: / angularTwoBody - XYs2d: (Error # 0): Negative prob.*

8

```
WARNING: Negative probabilities encountered. Incident energy: 2.e7 eV, worst case: -0.00581726978882
```

2. Calculated and tabulated Q values disagree.
   *reaction label 18: n[multiplicity:'2'] + Ra225 (Error # 0): Q mismatch*

   ```
   WARNING: Calculated and tabulated Q-values disagree: -6154847.900817871 eV vs -6393290. eV!
   ```

3. Calculated and tabulated Q values disagree.
   *reaction label 19: n[multiplicity:'3'] + Ra224 (Error # 0): Q mismatch*

   ```
   WARNING: Calculated and tabulated Q-values disagree: -11059324.96450806 eV vs -1.12907e7 eV!
   ```

4. Weights in a weighted sum don't sum up to one
   *reaction label 19: n[multiplicity:'3'] + Ra224 / Product: n / Distribution: / uncorrelated - energy - weightedFunctionals: (Error # 0): Bad weight sum*

   ```
   WARNING: Weights don't sum to 1.0!
   ```

5. Calculated and tabulated Q values disagree.
   *reaction label 20: n[multiplicity:'4'] + Ra223 (Error # 0): Q mismatch*

   ```
   WARNING: Calculated and tabulated Q-values disagree: -17538113.59655762 eV vs -1.77842e7 eV!
   ```

6. Calculated and tabulated Q values disagree.
   *reaction label 22: Ra227 + gamma (Error # 0): Q mismatch*

   ```
   WARNING: Calculated and tabulated Q-values disagree: 4802832.137207031 eV vs 4564690. eV!
   ```

- `njoy2012` Warnings:

  1. Evaluation has no unresolved resonance parameters given
     *unresr...calculation of unresolved resonance cross sections (0): No URR*

     ```
      ---message from unresr---mat 8834 has no unresolved parameters
                          copy as is to nout
     ```

  2. In some evaluations, the partial fission reactions MT=19, 20, 21, and 38 are given in File 3, but no corresponding distributions are given. In these cases, it is assumed that MT=18 should be used for the fission neutron distributions.
     *heatr...prompt kerma (0): HEATR/hinit (3)*

     ```
      ---message from hinit---mt458 is missing for this mat
     ```

  3. Evaluation has no unresolved resonance parameters given
     *purr...probabalistic unresolved calculation (0): No URR*

     ```
      ---message from purr---mat 8834 has no unresolved parameters
                          copy as is to nout
     ```

  4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
     *groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)*

9

```
            ---message from conver---cannot do complete particle production for mt= 16
                              only mf4/mf5 provided
```

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully
   describe all the products of a nuclear reaction. Some carry-over evaluations from earlier
   ENDF/B versions also have this capability, but many do not. This message is intended
   to goad evaluators to improve things!
   *groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)*

```
            ---message from conver---cannot do complete particle production for mt= 17
                              only mf4/mf5 provided
```

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully
   describe all the products of a nuclear reaction. Some carry-over evaluations from earlier
   ENDF/B versions also have this capability, but many do not. This message is intended
   to goad evaluators to improve things!
   *groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)*

```
            ---message from conver---cannot do complete particle production for mt= 37
                              only mf4/mf5 provided
```

7. With the advent of the ENDF-6 format, it is possible to make evaluations that fully
   describe all the products of a nuclear reaction. Some carry-over evaluations from earlier
   ENDF/B versions also have this capability, but many do not. This message is intended
   to goad evaluators to improve things!
   *groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)*

```
            ---message from conver---cannot do complete particle production for mt= 91
                              only mf4/mf5 provided
```

- `njoy2012`  Errors:

  1. An angular distribution is negative
     *acer...monte carlo neutron and photon data (0): Neg. P(Ejµ) (b)*

```
            ---message from ptleg2---negative probs found
                              17 for mt=  2 e= 2.000E+07
```

- `acelst`  Warnings:

  1. generic warning message
     *0: Warning*

```
    ACELST WARNING - More than one range for MF/MT              6            16
    ACELST WARNING - More than one range for MF/MT              6            17
```

  2. generic warning message
     *1: Warning*

```
    ACELST WARNING - More than one range for MF/MT              6            37
    STOP ACELST Completed
```